



The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
Volume 15, Issue 10
October 2019

Editor Georgeann Vleck KB3PGN

Officers

President	Joe Miko WB3FMT	Repeater	Phil Hock W3VRD Jerry Cimildora N3VBJ Ken Erisman NE3A Dave Brunner AC3EO
Vice-President	Rob Ballou KC3ROB	VE Testing	Pat Stone AC3F
Recording Secretary	Larry Hill KB3QWC	Public Service	Bob Landis WA3SWA
Corresponding Secretary	Pat Stone AC3F	Webmaster, Facebook	Jerry Cimildora N3VBJ
Treasurer	Warren Hartman W3JDF	Trustee:	Dave Fredrick KB3KRV (W3PGA) Jim Marshalek KC3FBL (AE3RO)
Resource Coordinator	Ron Distler W3JEH	Club Nets	Joe Miko WB3FMT
		Contests	Bob Venanzi ND3D

Website: <http://w3pga.org>

Facebook: <https://www.facebook.com/pages/Aero-Amateur-Radio-Club/719248141439348>

About the Aero Amateur Radio Club

Meetings

The Aero Amateur Radio Club meets at 7:30 pm on the first and third Wednesdays of the month at Essex SkyPark, 1401 Diffendall Road, Essex. Meetings begin at 7:30 p.m. local time. Meetings are canceled if Baltimore County Public Schools are closed or dismiss early.

Repeaters

W3PGA **2 M :** INPUT : 147.84 MHz, OUTPUT : 147.24 MHz, PL 123.0
W3PGA **70 Cm:** INPUT : 444.575 MHz, OUTPUT : 449.575 MHz, PL123.0
W3JEH **1.25 M:** INPUT : 222.24 MHz, OUTPUT : 223.84 MHz

Club Nets

Second Wednesday Net – 70 Centimeters (449.575 MHz Repeater) @ 8 p.m. Local Time

Fourth Wednesday Net – 2 Meters (147.24 MHz Repeater) @ 8 p.m. Local Time

Fifth Wednesday Net – 10 Meters (28.445 MHz) @ 8 p.m. Local Time

Radio License Exams

The Aero Amateur Radio Club sponsors Amateur Radio License Exams with the ARRL VEC. Examination sessions are throughout the year. Walk-ins are welcome; arrive no later than 30 minutes after start time. \$15 charge.

2019 Examination Schedule

Time:	1:15 pm	1:15 pm	
Dates:	Sunday, Nov. 10	Sunday,	
Where:	White Marsh Library	White Marsh Library	

White Marsh Library, 8133 Sandpiper Circle, White Marsh, MD

Contact: Patricia Stone AC3F, email: ac3f@juno.com, landline: 410-687-7209

LOCAL AREA NETS

Day	Time	Freq. (MHz)	Net Name
Daily	9 – 10 am	145.330	Oriole Net
Daily	6 pm	3.820	Maryland Emergency Phone Net
Daily	6:30 – 7 pm	145.330 no PL	Balto. Traffic Net (b/u 146.670 PL 107.2)
Daily	7 pm & 10 pm	3.643	MD/DC/DE Traffic Net
2 nd Tue	7:30 pm	146.670	Baltimore County RACES Net
2 nd Wed	8 pm	28.445	Aero ARC Net
4 th Wed	8 pm	147.240	Aero ARC Net
5 th Wed	8 pm	449.575	Aero ARC Net
Fridays	7:30 pm	145.330	Back in the Day Net
When activated by NOAA		147.030	SkyWarn (primary)

NET REPORTS

9-11-19: 449.675r, 20:00 to 20:50 local.

W3PGA NCS Joe Essex, KC3FBM Franklin Parkville, AC3EO Dave Balto City, KB3JVP Ken Middle River, W3JEH Ron Perry Hall, K3TEL Arnold Towson

6 participants on the net

9-25-19: 147.240r, 20:00 to 20:32 local.

W3PGA NCS Joe Essex, AC3EO Dave Baltimore City, KC3FBM Franklin Parkville, N3RES Ray Lutherville, AC3DX Bill Rosedale, AC3F Patricia Middle river, W3JEH Ron Perry Hall, KB3JVP Ken Middle River, KC3FBL James Parkville

9 participants on the net



VE CORNER

by Pat Stone, AC3F

Our next test session will be held on Sunday, November 10, at 1:15pm at the White Marsh Library. Hope to see you then.

Upcoming Aero Club Events

CLUB ACTIVITIES

The 2019 CQ WW DX Contest on SSB (phone) will take place on October 26-27. Joe Miko will obtain permission (we hope!) to use the FBO building for club members to participate in this contest.

Partial information from the website as follows. Note that there is also a CW contest in November:

CQ WW Contest Dates

SSB: October 26 - 27, 2019

CW: November 23 - 24, 2019

Starts: 0000 UTC Saturday

Ends: 2359 UTC Sunday

The CQ WW is the largest Amateur Radio competition in the world. Over 35,000 participants take to the airwaves on the last weekend of October (SSB) and November (CW) with the goal of making as many contacts with as many different DXCC entities and CQ Zones as possible.

RULES: The 2019 CQ World-Wide DX Contest

SSB: October 26-27 CW: November 23-24

Starts 00:00:00 UTC Saturday Ends 23:59:59 UTC Sunday

I. OBJECTIVE: For amateurs around the world to contact as many other amateurs in as many CQ zones and countries as possible.

II. BANDS: Six bands only: 1.8, 3.5, 7, 14, 21 and 28 MHz. Observance of established band plans is strongly encouraged.

III. CONTEST EXCHANGE: SSB: RS report plus CQ Zone number of the station location (e.g., 59 05). CW: RST report plus CQ Zone (e.g., 599 05).

The rest of the Rules can be found at <https://www.cqww.com/rules.htm>
Our CQ zone is 05 (zero five).

Training and Practice

Upcoming SKYWARN® Classes --These classes are free and open to the public!

CLASS	DATE	TIME	COUNTY	LOCATION	REGISTRATION
Basic Classes					
Basic	Monday 11/04/2019	6:30 pm - 8:30 pm	Harford County, MD	Harford County Department of Emergency Services 2220 Ady Road Forest Hill, MD 21050	https://www.eventbrite.com/e/skywarn-basics-harford-county-md-tickets-73148309563
Basic	Tuesday 11/12/2019	6 pm - 8 pm	Spotsylvania County	Spotsylvania Fire/Rescue Station 4 4804 Bancroft Rd Fredericksburg, VA 22408	https://www.eventbrite.com/e/skywarn-basics-spotsylvania-county-tickets-67227775085
Winter Skywarn Classes - Requires previous Basics course					
Winter	Tuesday 09/24/2019	6 pm - 8 pm	Howard County, MD	Howard Community College <i>Howard Hall, Room HW-249</i> 10901 Little Patuxent Pkwy Columbia, MD 21044	https://www.eventbrite.com/e/skywarn-winter-howard-county-md-tickets-70143076831
Winter	Thursday 10/24/2019	6 pm - 8 pm	Montgomery County, MD	Public Safety Headquarters 100 Edison Park Drive Gaithersburg, MD 20878	https://www.eventbrite.com/e/skywarn-winter-montgomery-county-md-tickets-66688943425
Further Skywarn classes will be scheduled this fall.					

Important notes:

- Some Advanced classes require SKYWARN® Basics as a prerequisite.
- You may attend a class even if it is not in the county you reside in.
- Due to the high demand of classes we cannot offer classes in every region every season.

Source: <https://www.weather.gov/lwx/skywarn>

MSN CW TRAINING NET

The net operates nightly at 1930L on 3563 kHz. Ron, N3AEA, is the Net Manager.

Source: *MDC Section News, Vol. 15, No. 08, Friday, August 16, 2019*

Hamfests

Saturday, Oct. 5, 2019: 7th Annual TailgateFest, 8 am – 12 pm (Rain or Shine)

Hollywood Volunteer Fire Dept. Bingo Hall, 24801 Three Notch Rd. (MD RT 235), Hollywood, MD 20636

Sponsor: St. Mary's Co. Amateur Radio Assoc.

Admission: Free

Amateur Radio & Electronic Equipment; VE Test session 9 am – 12 pm, \$14

Tables: Indoor Reserved \$10, Outdoor Tailgate \$5

To reserve a table please email Chuck Gantz at k3wjx@yahoo.com

Reserved indoor table payment must be received by Sept. 27, 2019

Refreshments: Coffee, donuts and food vendor on site

To view or print original TailgateFest Flyer please click below:

<http://www.k3hki.org/wp-content/uploads/2019/03/7th-ANNUAL-TailgateFest.pdf>

Sunday, Oct. 6, 2019: 2019 CARA Fest, gates open 6 am for tailgaters, 8am for the public

Location: Howard County Fairgrounds, 2210 Fairgrounds Road, West Friendship, MD 21794

Website: <http://www.carafest.org>

Sponsor: Columbia Amateur Radio Association

\$7 admission

No-fee VE testing

Talk-In: 147.390/R+ (PL 156.7)

Public Contact: David Parkison , KB3VDY, P.O. Box 911 Columbia , MD 21044, 410-977-1249

Email: vendorsales@carafest.org

Sunday, Oct 27, 2019: Mason Dixon Hamfest/Convention

Location: Sportsman's Hall Roller Skating Center, 15500 Hanover Pike, Upperco, MD 21155

Sponsor: Carroll County Amateur Radio Club

Type: ARRL Hamfest

Talk-In: 145.410 (PL 114.8)

RAFFLE FIRST PRIZE: Completed and compliant uBITX radio

Admission: \$5 per entry/tailgate space

Website: <https://k3pzn.net/hamfest/>

Public Contact: Rich Mitchell, N3III, 1722 Brooks Rd., Freeland, MD 21053, 443-280-1871

Email: n3iiipa@gmail.com

Saturday, Dec. 7, 2019: 4th Annual SantaFest, 8:30 am – 12 pm

American Legion Youth Camp, 9201 Surratts Rd., Cheltenham MD 20623

Sponsor: American Legion, Prince George's County Emergency Radio Association

Talk-In: K3ERA Repeater 145.230 PL 110.9

Admission: \$6

VE Exams: 9 am to 11 am (Walk-ins must sign in no later than 10:30)

Website: <http://www.pgares.org/>

For information, or to reserve table and/or tailgate space, contact: selbynet@hotmail.com

Feature Article

Aero ARC at Essex Skypark's 2019 Wings and Wheels

by Joe Miko, WB3FMT



The Aero Amateur Radio Club made a fine showing at the Essex Skypark annual Wings and Wheels event. This event was held on Saturday, September 14. The Skypark event was open to the public from 9 am to 4 pm. Aero members started to arrive before 7:00am for set-up. The club set up an information booth with Ham Radio and SKYWARN information and answers any questions the visitors had. In addition to information, actual weather instruments were displayed, and a digital radio and HF radio were also set up and in operation.



The digital station was on the air using a 6 meter/2 meter/70 cm GP15 vertical antenna on a 20-foot mast. This 2-meter radio was running digital using Yaesu's Fusion C4FM.

The HF station was a Yaesu 991 running 100 watts connected to a 10-80 meter off center-fed dipole (OCFD). This antenna was strung between the grass strip next to the parking lot to a mast supported by my van's right front wheel.

There was a total of 8 contacts made 4 CW (2 in Florida, 1 in California and 1 Texas); 4 SSB (1 in Mississippi, Alabama, North Carolina and Florida.)



As for the airpark, I counted at least 15 aircraft, 2 helicopters, and about 20 antique or vintage cars and trucks. The airport had an estimated 200 to 500 pilots and visitors at the day's event. The weather started out overcast, with some breaks around noon. Local weather temps ranged from the low 80's to low 60's, overcast, with 12 mph winds out of the South.

Along with the full size aircraft, the RC flying club that flies at the Skypark was also present.





The Aero ARC as always put on a good showing, we had 15 members show up along with one XYL (Ron's wife Julie), Pat is also an XYL and a member. My 2 grandkids, daughter, and son-in-law had a great time and look forward to next year's event -- and maybe an aircraft ride?

Photos were taken by Colin Seibert (Grandson) and Harry Rundall AC3EK.



Grandson Joey, daughter Michelle and husband Johnny

Again, thanks to all who supported the event from the Aero ARC, for set-up, operations, support, and breakdown -- a job well done and very well appreciated!



From the Skies over Mt. Essex

SKY Events for October 2019

Oct 3rd - Venus 3° N of Spica; Jupiter 1.9° S of the Moon

Oct 4th – Sputnik 1 1st artificial satellite of Earth launched by U.S.S.R. in 1957

Oct 5th - Saturn 0.3° N of the Moon

Oct 10th – First Quarter Moon; Double Shadow transit on Jupiter 10:55 UT

Oct 13th - “Full Hunters” Moon, for Traditional and the “Moon when Quilling and Beading is done” for the Dakota Sioux American Indian. Smallest FM in 2019. Double Shadow transit on Jupiter 23:53 UT

Oct 19th – Moon is 1.7° S of M35 OC in Gemini

Oct 21st - Last Quarter Moon

Oct 22nd – Orionid Meteor Shower peak ~ 20 per hr ,

Oct 26th – Zodiacial Light visible N Lat in East before Dawn’s light for the next two weeks

Oct 28th – New Moon, Uranus at opposition

Planet Lookout at mid-Month

Sunrise 07:09 EDT and Sunset 18:24 EDT

Mercury Evening Rise 09:17 EDT, Sets 19:19 EDT; Mag – 0.1 and 6.1 arc seconds.

Venus Evening Rise 08:32 EDT, Sets 19:11 EDT, Mag -3.9, Arc Sec 9.9

Mars Morning Rise 05:58 EDT, Sets 17:49 EDT, Mag 1.8, Arc Sec 3.6

Jupiter Evening, rises 11:53 EDT, Sets 21:29 EDT; Mag-2.0 size 34.5 arc seconds.

Saturn Evening. Rises 13:35 EDT Sets 23:14 EDT; Mag 0.4 size 16.5 seconds.

Uranus Evening 18:51 EDT Sets 08:17 EDT; Mag 5.7 size 3.6 arc seconds.

Neptune Morning Rises 16:50 EDT Sets 04:19 EDT; Mag 7.8 size 2.5 arc seconds

‘57 Chevy and the Space Race?

What did they have in common with each other, nothing but the year - **1957**.

The **1957 Chevrolet** is a car which was introduced by Chevrolet in September 1956 for the 1957 model year. It was available in three series models: the upscale Bel Air, the mid-range Two-Ten, and the One-Fifty. A two-door station wagon, the Nomad, was produced as a Bel Air model. An upscale trim option called the Delray was available for Two-Ten 2-door sedans. It is a popular and sought-after classic car. These vehicles are often restored to their original condition and sometimes modified. The car's image has been frequently used in toys, graphics, music, movies, and television. The '57 Chevy, as it is often known, is an *auto icon*. *From Wikipedia*

The Space Race officially started on October 4th 1957, with the U.S.S.R.’s launching of the first artificial satellite. It was a 58 cm (23 in) diameter polished metal sphere, with four external radio antennas to broadcast radio pulses. Its radio signal was easily detectable even by radio amateurs, on 20.005 and 40.002 MHz¹ and the 65° inclination and duration of its orbit made its flight path cover virtually the entire inhabited Earth.

The U.S.A.’s first attempt was made on Dec 6th, 1957. The U.S. Navy’s test of Vanguard rocket, along with its satellite payload, went hopelessly awry when the rocket failed to develop sufficient thrust and toppled over on the launch pad. The malfunctioning first stage caused vehicle to lose thrust after two seconds.

Success came on 17 March 1958 when Vanguard I launched its tiny but well-instrumented satellite which transmitted signals for seven years. Meanwhile, a U.S. Army team, under the technical direction of Wernher von Braun, had launched the first American satellite called Explorer 1.

So far, the U.S.A. is the space winner with 12 men on the moon. Currently we are in a race back to the Moon and to Mars.

The race between Chevy and Ford will go on and on... *From Wikipedia*.